

ORIGINAL



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UTILITY: APPALOOSA WATER COMPANY
DOCKET: W-03443A-13-0379
DECISION NO: 74787

RECEIVED
AZ CORP COMMISSION
DOCKET CONTROL

2016 JAN 28 AM 10 38

July, August, September, October, November, December 2015
WATER LOSS PREVENTION PLAN REPORT

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- Page 11. Electrical Systems
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Attachments:

- A. Water system usage and loss reports for July, August, September, October, November, December 2015.

Arizona Corporation Commission

DOCKETED

JAN 28 2016

DOCKETED BY 

Page 1. Company's Software.

The company has purchased the RVS Utility Billing Systems that collects and produces system total reports that is utilized in the company's dedication to preventing water loss. In this report a detailed analysis is presented to understand the processes of the company's endeavor to prevent water loss.

There were 10 accounts on the RVS System that had become corrupt and would give incorrect charges for the water usage. These accounts were creating a significant water loss in the system.

The operation manager called to our attention that the system was not calculating our actual loss correctly.

RVS Systems were unable to correct those accounts for accurate readings. The 10 corrupt accounts were moved and restarted and are monitored for accuracy.

The 10 accounts on the RVS System has been monitored. The accounts that were effecting the water loss are now consistent with the actual water usage.

The usage and loss figures from the system report is being corrected and the accurately reporting of the loss has been consistent for the last 13 months.

Page 2. Meter Reading

Consistent with the water loss prevention plan all meter readings are completed within one day so there is no fluctuations of monthly water loss numbers.

The meter readings number of days from month to month are consistent so to prevent unusual fluctuations of usage under normal water usage within the same month.

Page 3. System Adjustment

Dividing the water system into routes for prioritizing of work for a problem is not applicable at this time.

Page 4. Software Water Loss Reports

Company has made adjustments to the water loss reports that includes the flushing of lines for arsenic filter media installation, or any testing done by the fire department (flushing). The Water Production Operator has worked with both the well 1 meter sticking and the usage and loss reports within the computer system to correct and have more accurate readings.

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Page 5. Bypass Monitor Meters.

Company does not need to isolate lines at this time.

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Page 6. Bypass Monitor Meter at the Water Storage Tanks

This is not needed at this time.

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Page 7. Meter Change-out

Meters are periodically tested and if needed are changed-out. No meter has been found to be of need to be changed.

Page 8. Leak Detection Equipment

At this time it is not necessary to purchase leak detection equipment until the suspected cause of water loss is completed and all other methods of water leakage discovery are utilized.

Page 9. Line Breaks

Operation Contractor inspects distribution system on an ongoing basis and completes any minor replacement or repairs needed. Any other issues are reported to the company for budgeting for any major repairs. Contractor recommends the replacement of parts for well 1 meter sticking. This is considered a major repairs and is waiting for documentation for costs so that it can be budgeted for.

Page 10. Additional Water Storage Tank and Water Lines.

Company has a storage tank and lines for any major leak. It will be determined at a later date as to the feasibility for an additional storage tank.

Page 11. Electrical Systems

The company has requested for permission for an up to date electrical system to be installed and is waiting for loan approval. The approval for a generator has been approved and the company is waiting for the loan to be approved for installation. The company has had to reevaluate the timetable for the electrical system. The company is unable to procure approval for the loan and will need to table the project until it is more feasible.

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CONCLUSION:

The usage water loss readings report for the past 6 months July, August, September, October, November, and December 2015 readings for water loss prevention reflect the earlier corrections that were implemented by the company and is continuing to have the water loss below the required 10%. Attached is the Pump Total Reports reflecting the water pumped, sold and the water loss percent for each month.

Submitted by:

Joseph Cordovana, President

10/1/2015

11:10:10AM

Reprinted for:

9/30/2015

Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

1,776,700 Gallons

5/8 Sold This Month

1,788,800 Gallons

5/8 Loss

-12,100 Gallons

5/8 Loss (%)

-0.68 %

	Amount (\$)	# Of Accounts
Total 5/8	9,289.61	183
Total 1	3,147.74	46
Total Late Fee	18.77	21
Total Adjustments	-264.00	6
Total Tax	1,287.24	229
Total Current Charges	13,479.36	229
Amount Past Due 1-30 Days	1,386.03	21
Amount Past Due 31-60 Days	166.04	4
Amount Past Due Over 60 Days	469.13	2
Amount Of Overpayments/Prepayments	-1,796.03	32
Total Receivables	13,704.53	230

Total Receipts On Account	15,104.42	206
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	424.85	18
Collection Accounts (Amount Owed)	424.85	1
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	7,272	246
Average 5/8 Charge For Active Meters	37.76	183

Usage Groups	Gallons	# Of Accounts	Usage	Gallons	% Of Usage	% Of Sales
Over 50,000		0		0	0.00	0.00
40,001-50,000		3		128,300	7.17	4.41
30,001-40,000		3		106,100	5.93	5.49
20,001-30,000		9		215,570	12.05	10.36
10,001-20,000		34		447,970	25.04	20.88
8,001-10,000		35		313,850	17.55	16.31
6,001-8,000		33		231,250	12.93	12.84
4,001-6,000		38		186,580	10.43	11.19
2,001-4,000		41		128,380	7.18	10.17
1-2,000		27		30,800	1.72	7.01
Zero Usage		23		0	0.00	1.35
Total Meters		246		1,788,800	100.00	100.00

9/1/2015

11:50:26AM

Reprinted for:

8/31/2015

Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

2,066,600 Gallons

5/8 Sold This Month

2,018,010 Gallons

5/8 Loss

48,590 Gallons

5/8 Loss (%)

2.35 %

	Amount (\$)	# Of Accounts
Total 5/8	10,063.41	183
Total 1	3,315.66	46
Total Late Fee	34.66	39
Total Adjustments	-408.00	8
Total Tax	1,384.71	229
Total Current Charges	14,390.44	229

Amount Past Due 1-30 Days	1,665.16	26
Amount Past Due 31-60 Days	139.04	3
Amount Past Due Over 60 Days	405.08	2
Amount Of Overpayments/Prepayments	-1,270.13	30
Total Receivables	15,329.59	230

Total Receipts On Account	15,332.52	202
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	424.85	18
Collection Accounts (Amount Owed)	424.85	1
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	8,203	246
Average 5/8 Charge For Active Meters	40.91	183

Usage Groups	Gallons	# Of Accounts	Usage	Gallons	% Of Usage	% Of Sales
Over 50,000		1	55,160		2.73	2.57
40,001-50,000		3	133,180		6.60	4.06
30,001-40,000		5	170,890		8.47	8.19
20,001-30,000		8	187,530		9.29	8.25
10,001-20,000		49	651,200		32.27	26.58
8,001-10,000		34	300,530		14.89	16.04
6,001-8,000		34	233,790		11.59	10.95
4,001-6,000		26	132,640		6.57	7.09
2,001-4,000		44	133,410		6.61	10.48
1-2,000		17	19,680		0.98	4.06
Zero Usage		25	0		0.00	1.74
Total Meters		246	2,018,010		100.00	100.00

8/3/2015

11:09:02AM

Reprinted for:

7/31/2015

Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

2,355,700 Gallons

5/8 Sold This Month

2,296,620 Gallons

5/8 Loss

59,080 Gallons

5/8 Loss (%)

2.51 %

	Amount (\$)	# Of Accounts
Total 5/8	11,089.89	183
Total 1	3,479.94	46
Total Late Fee	21.96	23
Total Adjustments	-133.04	4
Total Tax	1,508.01	229
Total Current Charges	15,966.76	230

Amount Past Due 1-30 Days	1,228.63	19
Amount Past Due 31-60 Days	200.52	5
Amount Past Due Over 60 Days	381.61	2
Amount Of Overpayments/Prepayments	-1,505.85	29
Total Receivables	16,271.67	230

Total Receipts On Account	16,540.18	213
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	424.85	18
Collection Accounts (Amount Owed)	424.85	1
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	9,336	246
Average 5/8 Charge For Active Meters	45.08	183

Usage Groups	Gallons	# Of Accounts	Usage	Gallons	% Of Usage	% Of Sales
Over 50,000		2	114,760		5.00	2.69
40,001-50,000		2	86,650		3.77	3.71
30,001-40,000		6	207,450		9.03	9.01
20,001-30,000		16	390,830		17.02	15.61
10,001-20,000		58	770,060		33.53	29.08
8,001-10,000		31	279,010		12.15	12.96
6,001-8,000		24	166,070		7.23	5.96
4,001-6,000		28	142,010		6.18	7.78
2,001-4,000		38	119,800		5.22	7.92
1-2,000		17	19,980		0.87	3.93
Zero Usage		24	0		0.00	1.35
Total Meters		246	2,296,620		100.00	100.00

11/2/2015

1:06:01PM

Reprinted for:

10/31/2015

Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

1,830,300 Gallons

5/8 Sold This Month

1,816,410 Gallons

5/8 Loss

13,890 Gallons

5/8 Loss (%)

0.76 %

	Amount (\$)	# Of Accounts
Total 5/8	9,372.03	183
Total 1	3,149.15	46
Total Late Fee	22.26	27
Total Adjustments	-300.03	7
Total Tax	1,295.91	229
Total Current Charges	13,539.32	229

Amount Past Due 1-30 Days	1,453.22	22
Amount Past Due 31-60 Days	157.28	3
Amount Past Due Over 60 Days	529.24	3
Amount Of Overpayments/Prepayments	-1,391.69	31
Total Receivables	14,287.37	230

Total Receipts On Account	12,956.48	204
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	424.85	18
Collection Accounts (Amount Owed)	424.85	1
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	7,384	246
Average 5/8 Charge For Active Meters	38.10	183

Usage Groups	Gallons	# Of Accounts	Usage	Gallons	% Of Usage	% Of Sales
Over 50,000		0		0	0.00	0.00
40,001-50,000		0		0	0.00	0.00
30,001-40,000		5		173,280	9.54	7.26
20,001-30,000		8		196,020	10.79	10.39
10,001-20,000		49		639,500	35.21	27.84
8,001-10,000		28		247,390	13.62	14.42
6,001-8,000		33		228,310	12.57	11.24
4,001-6,000		38		186,720	10.28	11.45
2,001-4,000		42		125,710	6.92	10.94
1-2,000		18		19,480	1.07	4.33
Zero Usage		25		0	0.00	2.13
Total Meters		246		1,816,410	100.00	100.00

12/1/2015

12:12:04PM

Reprinted for:

11/30/2015

Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

965,900 Gallons

5/8 Sold This Month

952,390 Gallons

5/8 Loss

13,510 Gallons

5/8 Loss (%)

1.40 %

	Amount (\$)	# Of Accounts
Total 5/8	6,597.64	184
Total 1	2,629.52	47
Total Late Fee	30.56	33
Total Adjustments	-88.00	2
Total Tax	955.02	231
Total Current Charges	10,124.74	231
Amount Past Due 1-30 Days	2,191.71	33
Amount Past Due 31-60 Days	205.87	5
Amount Past Due Over 60 Days	501.09	3
Amount Of Overpayments/Prepayments	-1,595.56	24
Total Receivables	11,427.85	232

Total Receipts On Account	12,984.26	198
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	452.44	18
Collection Accounts (Amount Owed)	424.85	1
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	3,856	247
Average 5/8 Charge For Active Meters	26.71	184

Usage Groups	Gallons	# Of Accounts	Usage	Gallons	% Of Usage	% Of Sales
Over 50,000		0		0	0.00	0.00
40,001-50,000		0		0	0.00	0.00
30,001-40,000		1		37,510	3.94	2.72
20,001-30,000		1		22,670	2.38	1.72
10,001-20,000		10		119,540	12.55	8.02
8,001-10,000		7		63,250	6.64	4.06
6,001-8,000		27		186,660	19.60	13.89
4,001-6,000		47		232,370	24.40	20.80
2,001-4,000		84		233,630	24.53	30.00
1-2,000		43		56,760	5.96	14.62
Zero Usage		27		0	0.00	4.17
Total Meters		247		952,390	100.00	100.00

1/4/2016

11:19:37AM

Reprinted for:

12/31/2015

Pump 1 Totals Report

Appaloosa Water Company

5/8 Pumped This Month

820,200 Gallons

5/8 Sold This Month

802,450 Gallons

5/8 Loss

17,750 Gallons

5/8 Loss (%)

2.16 %

	Amount (\$)	# Of Accounts
Total 5/8	6,205.39	185
Total 1	2,519.73	47
Total Late Fee	20.63	35
Total Adjustments	-389.15	5
Total Tax	903.13	232
Total Current Charges	9,259.73	232

Amount Past Due 1-30 Days	1,501.63	25
Amount Past Due 31-60 Days	102.37	4
Amount Past Due Over 60 Days	6.09	1
Amount Of Overpayments/Prepayments	-1,902.21	45
Total Receivables	8,967.61	232

Total Receipts On Account	11,719.97	203
Net Change in Deposits	0.00	0
Amount of All Deposits	3,600.00	36
Amount of All Deposit 2	600.00	6
Turned Off Accounts (Amount Owed)	55.18	17
Collection Accounts (Amount Owed)	0.00	
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	3,236	248
Average 5/8 Charge For Active Meters	25.02	185

Usage Groups	Gallons	# Of Accounts	Usage	Gallons	% Of Usage	% Of Sales
Over 50,000		0		0	0.00	0.00
40,001-50,000		0		0	0.00	0.00
30,001-40,000		0		0	0.00	0.00
20,001-30,000		0		0	0.00	0.00
10,001-20,000		6		94,010	11.72	7.97
8,001-10,000		4		35,670	4.45	2.48
6,001-8,000		20		136,370	16.99	10.56
4,001-6,000		41		201,470	25.11	16.12
2,001-4,000		99		275,890	34.38	40.00
1-2,000		48		59,040	7.36	17.63
Zero Usage		30		0	0.00	5.24
Total Meters		248		802,450	100.00	100.00